**Summary of Regulations Controlling Air Emissions for the Lead Acid Batteries Industry**

**New vs. Existing Sources**

**NEW UNITS:** Commenced construction or reconstruction on or after April 4, 2007.

**EXISTING UNITS:** Commenced construction or reconstruction before April 4, 2007.

**Existing Source Compliance:** July 16, 2008

**November 13, 2007:** Each facility is required to submit an initial notification report.

**July 16, 2008:** Each facility must meet the compliance requirements.

**January 12, 2009:** Each facility must conduct testing of each stack.

**March 13, 2009:** Each facility must submit a notification of compliance.

The Lead Acid Battery Manufacturing NESHAP was published in the Federal Register on July 16, 2007 (72 FR 38864). The notice is available at www.epa.gov/tnn/atw/area/fr16jy07.pdf

**For More Information**

This brochure is a general guide only; review the rule for your specific requirements at: [http://www.epa.gov/tnn/atw/area/arearules.html](http://www.epa.gov/tnn/atw/area/arearules.html)

For more information on state requirements, please contact your state representatives at: [http://www.epa.gov/tnn/atw/area/table_state_contacts.doc](http://www.epa.gov/tnn/atw/area/table_state_contacts.doc) or, [http://www.4cleanair.org/contactUsaLevel.asp](http://www.4cleanair.org/contactUsaLevel.asp)
**Lead Acid Battery Manufacturing Area Source NESHAP.** On July 16, 2007, EPA finalized a regulation that affects lead emissions from all lead acid battery manufacturing facilities that are area sources. This brochure is intended to provide basic information for lead acid battery manufacturers that may be subject to this rule.

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**Which units are affected?**

All U.S. lead acid battery manufacturers have been identified as area sources.

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**Lead Concentration Limits of the NSPS**

<table>
<thead>
<tr>
<th>Affected Source</th>
<th>Emission Limit</th>
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<tbody>
<tr>
<td>Grid casting</td>
<td>0.4 mg/dscm (0.00024 gr/dscf)</td>
</tr>
<tr>
<td>Paste mixing, Three-process operation, Other lead emitting processes</td>
<td>1 mg/dscm (0.00044 gr/dscf)</td>
</tr>
<tr>
<td>Lead oxide manufacturing</td>
<td>5 mg/kg of lead processed</td>
</tr>
<tr>
<td>Lead reclamation</td>
<td>4.5 mg/dscm (0.0022 gr/dscf)</td>
</tr>
</tbody>
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**Testing Requirements**

Existing sources are not required to conduct a performance test if a prior performance test was conducted using the same methods specified in 40 CFR 60.374 and either no process changes have been made since the test, or you can demonstrate that the results of the performance test, with or without adjustments, reliably demonstrates compliance with 40 CFR 60.372 despite process changes.

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**Reporting Requirements**

You must submit a semi-annual monitoring system performance report in accordance with §63.10(e)(3).

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**Monitoring and Recordkeeping**

The rule requires *daily* and *semi-annual* monitoring of fabric filters. Facilities may choose one of the following:

- **Install and monitor a pressure drop monitor:** if the results are outside of the normal range, you must record the incident, take immediate corrective actions, and record the corrective actions taken.

- **Conduct daily opacity inspections:** if visible emissions are detected, you must record the incident and conduct an opacity test in accordance with 40 CFR 60.374(b)(3) and record the results. Other than a lead reclamation source where opacity must be below 5%, no sources may have visible missions under 40 CFR 60.372.

*Note: You are only required to perform these inspections weekly if your fabric filters are equipped with a high efficiency particulate air (HEPA) filter or other secondary filter.*

- For emissions points controlled by scrubbers, you must meet the requirements in 40 CFR 60.373.

- You must perform and record the results of semiannual inspections and maintenance to ensure proper performance of each fabric filter.